STIC Search Report
Biotech-Chem Library

STIC Database Tracking Number: 157369

TO: Maryam Monshipouri **Location: REM/2D21/3C70** **Art Unit: 1653** **Wednesday, July 13, 2005** **Case Serial Number: 09/937009**	**From: Edward Hart** **Location: Biotech-Chem Library** **REM-1A55** **Phone: 571-272-2512** **edward.hart@uspto.gov**

Search Notes

Examiner Monshipouri,

Here are the results of the search you requested.

Please feel free to contact me if you have any questions.

Edward Hart 650 3246318

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Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name: Mirjam Mousavi Examiner #: 75765 Date: 6/23/05

Art Unit: 1652 Phone Number: 2-2932 Serial Number: 09/872,209

Location (Bldg/Room#): Rm 2021 (Mailbox #): Bx 2610 Results Format Preferred (circle): PAPER DISK

****

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: Enzyme

Inventors (please provide full names): Alessi, Dario; Balendran, Arundharan; Deak, Maarah; Currie, Richard; Downes, Peter; Casamayor, Antonio

Earliest Priority Date: 3/19/1999

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only *Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

please search the amino acid sequence recited in claims 1-7 attached.

Thank you.

H.M.

****

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Searcher: Hart

Searcher Phone #:

Searcher Location:

Date Searcher Picked Up: 7/12/05

Date Completed: 7/13/05

Searcher Prep & Review Time:

Online Time:

Type of Search

___ NA Sequence (#)

___ AA Sequence (#)

___ Structure (#)

___ Bibliographic

___ Litigation

___ Fulltext

___ Other

Vendors and cost where applicable

(STN) ___ Dialog

___ Questel/Orbit ___ Lexis/Nexis

___ Westlaw ___ WWW/Internet

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___ Commercial ___ Oligomer ___ Score/Length

___ Interference ___ SPDI ___ Encode/Transl

___ Other (specify)

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     (FILE 'HOME' ENTERED AT 14:08:43 ON 13 JUL 2005)
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     FILE 'REGISTRY' ENTERED AT 14:08:55 ON 13 JUL 2005
L1             QUE [FY]XX[FY]X[FY]/SQSP
L2             QUE [FY]XX[FY][ST][FY]/SQSP
L3          19 S L1|L2

     FILE 'CAPLUS' ENTERED AT 14:10:13 ON 13 JUL 2005
L4          14 S L3
L5           6 S L4 AND (PY<=1999 OR PRY<=1999 OR AY<=1999)

     FILE 'CAPLUS' ENTERED AT 14:12:50 ON 13 JUL 2005

=> d ibib abs hitrn l5 tot

L5   ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:         2004:260861  CAPLUS
DOCUMENT NUMBER:          140:265688
TITLE:                    Soybean nucleic acids and encoded proteins associated
                          with transcription in plants and their uses for plant
                          improvement
INVENTOR(S):              La Rosa, Thomas J.; Zhou, Yihua; Kovalic, David K.;
                          Cao, Yongwei
PATENT ASSIGNEE(S):       USA
SOURCE:                   U.S. Pat. Appl. Publ., 15 pp., Cont.-in-part of U.S.
                          Ser. No. 985,678, abandoned.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   76
PATENT INFORMATION:
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PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
US 2004031072	A1	20040212	US 2003-424599		20030428	<--
US 2004031072	A1	20040212	US 2003-424599		20030428	<--
PRIORITY APPLN. INFO.:			US 1999-304517	B1	19990506	<--
			US 2001-985678	B2	20011105	
			US 2003-424599	A	20030428	

AB This invention provides 142,842 polynucleotide sequences isolated from a cDNA library generated from Glycine maximum The open reading frame in each polynucleotide sequence is identified by a combination of predictive and homol.-based methods. Functions of polypeptides encoded by the polynucleotides sequences are determined using a hierarchical classification tool, termed FunCAT, for Functional Categories Annotation Tool. Sequences useful for producing transgenic plants having improved biol. properties are identified from their FunCAT annotations. [This abstract record is one of 72 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.].

IT **672998-45-7**
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
(amino acid sequence; soybean nucleic acids and encoded proteins associated with transcription in plants and their uses for plant improvement)

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:260829 CAPLUS
DOCUMENT NUMBER: 140:248281
TITLE: Soybean nucleic acids and encoded proteins associated with transcription in plants and their uses for plant improvement
INVENTOR(S): La Rosa, Thomas J.; Zhou, Yihua; Kovalic, David K.; Cao, Yongwei
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 15 pp., Cont.-in-part of U.S. Ser. No. 985,678, abandoned.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 76
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
US 2004031072	A1	20040212	US 2003-424599		20030428	<--
US 2004031072	A1	20040212	US 2003-424599		20030428	<--
PRIORITY APPLN. INFO.:			US 1999-304517	B1	19990506	<--
			US 2001-985678	B2	20011105	
			US 2003-424599	A	20030428	

AB This invention provides 142,842 polynucleotide sequences isolated from a cDNA library generated from Glycine maximum The open reading frame in each polynucleotide sequence is identified by a combination of predictive and homol.-based methods. Functions of polypeptides encoded by the polynucleotides sequences are determined using a hierarchical classification tool, termed FunCAT, for Functional Categories Annotation Tool. Sequences useful for producing transgenic plants having improved biol. properties are identified from their FunCAT annotations. [This abstract record is one of 72 records for this document necessitated by the large number of index

entries required to fully index the document and publication system constraints.].

IT **670379-28-9**
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
(amino acid sequence; soybean nucleic acids and encoded proteins associated with transcription in plants and their uses for plant improvement)

L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:241810 CAPLUS
DOCUMENT NUMBER: 140:248280
TITLE: EST and contig sequences of Drosophila melanogaster and their uses in microarrays, retrieval of full-length cDNAs and proteomic analysis, and for identification of pesticide targets
INVENTOR(S): Homburger, Sheila Akiko; Ebens, Allen James, Jr.; Erickson, Catherine Sue; Francis-Lang, Helen Louise; Margolis, Jonathan Scott; Reddy, Bindu Priya; Ruddy, David Andrew; Buchman, Andrew Roy
PATENT ASSIGNEE(S): Exelixis, Inc., USA
SOURCE: U.S., 262 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 19
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 6703491	B1	20040309	US 1999-270767		19990317 <--
US 6703491	B1	20040309	US 1999-270767		19990317 <--
PRIORITY APPLN. INFO.:			US 1999-270767	A	19990317 <--

AB The present invention relates to Drosophila genes and methods for their use. A library of 31,629 expressed sequence tags and contig sequences are provided from tissues of mixed-stage embryos (0-20 h), imaginal disks, and adult heads of Drosophila melanogaster. Drosophila ESTs and sequence contigs derived from ESTs are useful as tools for retrieval of full-length protein coding sequences, for proteomic anal., for use in microarrays and gene expression anal., and for identification of pesticide targets. Thus, the invention provides nucleotide sequences of Drosophila genes, amino acid sequences of the encoded proteins, and derivs. (e.g., fragments) and analogs thereof. Special emphasis is given to DNA sequences encoding G protein-coupled receptors and chitin synthetase. The invention further relates to fragments (and derivs. and analogs thereof) of proteins which comprise one or more domains of a Drosophila protein. Antibodies to Drosophila proteins, and derivs. and analogs thereof, are also provided. Also provided herein are vectors and host cells comprising such nucleic acids. Methods of production of a Drosophila protein (e.g., by recombination means), and derivs. and analogs thereof, are provided. Chimeric polypeptide mols. comprising polypeptides of the invention fused to heterologous polypeptide sequences are provided. Methods to identify the biol. function of a Drosophila gene are provided, including various methods for the functional modification (e.g., overexpression, underexpression, mutation, knock-out) of one gene, or of two or more genes simultaneously. [This abstract record is one of sixteen records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.].

IT **669844-49-9**

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
(amino acid sequence; EST and contig sequences of Drosophila melanogaster and their uses in microarrays, retrieval of full-length cDNAs and proteomic anal., and for identification of pesticide targets)

L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:241804 CAPLUS
DOCUMENT NUMBER: 140:248276
TITLE: EST and contig sequences of Drosophila melanogaster and their uses in microarrays, retrieval of full-length cDNAs and proteomic analysis, and for identification of pesticide targets
INVENTOR(S): Homburger, Sheila Akiko; Ebens, Allen James, Jr.; Erickson, Catherine Sue; Francis-Lang, Helen Louise; Margolis, Jonathan Scott; Reddy, Bindu Priya; Ruddy, David Andrew; Buchman, Andrew Roy
PATENT ASSIGNEE(S): Exelixis, Inc., USA
SOURCE: U.S., 262 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 19
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 6703491	B1	20040309	US 1999-270767		19990317 <--
US 6703491	B1	20040309	US 1999-270767		19990317 <--
PRIORITY APPLN. INFO.:			US 1999-270767	A	19990317 <--

AB The present invention relates to Drosophila genes and methods for their use. A library of 31,629 expressed sequence tags and contig sequences are provided from tissues of mixed-stage embryos (0-20 h), imaginal disks, and adult heads of Drosophila melanogaster. Drosophila ESTs and sequence contigs derived from ESTs are useful as tools for retrieval of full-length protein coding sequences, for proteomic anal., for use in microarrays and gene expression anal., and for identification of pesticide targets. Thus, the invention provides nucleotide sequences of Drosophila genes, amino acid sequences of the encoded proteins, and derivs. (e.g., fragments) and analogs thereof. Special emphasis is given to DNA sequences encoding G protein-coupled receptors and chitin synthetase. The invention further relates to fragments (and derivs. and analogs thereof) of proteins which comprise one or more domains of a Drosophila protein. Antibodies to Drosophila proteins, and derivs. and analogs thereof, are also provided. Also provided herein are vectors and host cells comprising such nucleic acids. Methods of production of a Drosophila protein (e.g., by recombination means), and derivs. and analogs thereof, are provided. Chimeric polypeptide mols. comprising polypeptides of the invention fused to heterologous polypeptide sequences are provided. Methods to identify the biol. function of a Drosophila gene are provided, including various methods for the functional modification (e.g., overexpression, underexpression, mutation, knock-out) of one gene, or of two or more genes simultaneously. [This abstract record is one of sixteen records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.].

IT **669268-15-9**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study);

USES (Uses)
(amino acid sequence; EST and contig sequences of Drosophila melanogaster and their uses in microarrays, retrieval of full-length cDNAs and proteomic anal., and for identification of pesticide targets)

L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2000:861924 CAPLUS
DOCUMENT NUMBER: 134:40682
TITLE: Breast, gastric and prostate cancer-associated antigens and their diagnostic and therapeutic uses
INVENTOR(S): Obata, Yuichi
PATENT ASSIGNEE(S): Ludwig Institute for Cancer Research, USA
SOURCE: PCT Int. Appl., 799 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
WO 2000073801	A2	20001207	WO 2000-US14749		20000526	<--
WO 2000073801	A3	20020912				
W: AU, CA, CN, JP, KR, US						
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE						
EP 1259812	A2	20021127	EP 2000-932804		20000526	<--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY						
JP 2003518364	T2	20030610	JP 2001-500870		20000526	<--
PRIORITY APPLN. INFO.:			US 1999-136526P	P	19990528	<--
			US 1999-153454P	P	19990910	<--
			WO 2000-US14749	W	20000526	

AB Cancer-associated antigens have been identified by autologous antibody screening of libraries of nucleic acids expressed in breast, gastric, and prostate cancer cells using antisera from cancer patients. The invention relates to 593 nucleic acids and 740 encoded polypeptides which are cancer-associated antigens expressed in patients afflicted with cancer. The invention provides, inter alia, isolated nucleic acid mols., expression vectors containing those mols., and host cells transfected with those mols. The invention also provides isolated proteins and peptides, antibodies to those proteins and peptides and cytotoxic T lymphocytes which recognize the proteins and peptides. Fragments of the foregoing including functional fragments and variants also are provided. Kits containing the foregoing mols. addnl. are provided. The mols. provided by the invention can be used in the diagnosis, monitoring, research, or treatment of conditions characterized by the expression of one or more cancer associated antigens.

IT **312646-79-0P**
RL: ANT (Analyte); BOC (Biological occurrence); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)
(amino acid sequence; breast, gastric and prostate cancer-associated antigens and their diagnostic and therapeutic uses)

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2000:666903 CAPLUS
DOCUMENT NUMBER: 133:233618

TITLE: Human cancer-associated gene sequences and polypeptides
INVENTOR(S): Rosen, Craig A.; Ruben, Steven M.
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA
SOURCE: PCT Int. Appl., 2352 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 10
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
WO 2000055350	A1	20000921	WO 2000-US5882		20000308	<--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM						
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG						
CA 2366130	AA	20000921	CA 2000-2366130		20000308	<--
EP 1163358	A1	20011219	EP 2000-917770		20000308	<--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO						
JP 2004508001	T2	20040318	JP 2000-605767		20000308	<--
US 2002052308	A1	20020502	US 2001-925301		20010810	<--
PRIORITY APPLN. INFO.:			US 1999-124270P	P	19990312	<--
			WO 2000-US5882	W	20000308	

AB This invention relates to 842 newly identified cancer-related cDNAs and the polypeptides encoded by these polynucleotides herein collectively known as "cancer antigens", and to the complete gene sequences associated therewith and to the expression products thereof, as well as the use of such cancer antigens for detection, prevention and treatment of disorders of tissue-specific disorders, particularly the presence of cancer. This invention relates to the cancer antigens as well as vectors, host cells, antibodies directed to cancer antigens, and recombinant and synthetic methods for producing the same. Also provided are diagnostic methods for diagnosing and treating, preventing and/or prognosing tissue-specific disorders, including cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of cancer antigens of the invention. The present invention further relates to methods and/or compns. for inhibiting the production and/or function of the polypeptides of the present invention.

IT **293310-97-1**
RL: ANT (Analyte); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(amino acid sequence; human cancer-associated gene sequences and polypeptides)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT